

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2621

Applicant(s): Eric T. BALDWIN et al.

Group Art Unit: 2621

Serial No.: 09/896,580

Examiner: Unknown

Confirmation No.: 7868

Docket No.: 6317.N

Filed: 29 June 2001



RECEIVED

Title: CRYSTALLIZATION AND STRUCTURE OF STAPHYLOCOCCUS AUREUS PEPTIDE DEFORMYLASE

DEC 12 2001

Technology Center 2000

Assistant Commissioner for Patents
Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.
- ☐ A Petition for Extension of Time for __ month(s) and a check in the amount of \$__ for the required fee.
- ☒ An Information Disclosure Statement (2 pgs); 1449 forms (5 pgs); and copies of 61 documents cited on the 1449 forms (**MAILED IN 2 BOXES**).
- ☐ A check in the amount of \$__, for __.
- ☐ A certified copy of a __ application, Serial No. __, filed ____, the right of priority of which is claimed under 35 U.S.C. §119.
- ☐ Other:
- ☐ Amendment ☐ No Additional fee is required. ☐ The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$18 =	
Independent Claims				x \$84 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$280 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 6th day of December, 2001.

MUETING, RAASCH & GEBHARDT, P.A.
Customer Number: 26813

By:
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(LARGE ENTITY TRANSMITTAL UNDER RULE 1.8)



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PATENT
Docket No. 6317.NIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Eric T. BALDWIN et al.) Group Art Unit: 2621
)
Serial No.: 09/896,580) Examiner: Unknown
Confirmation No.: 7868)
)
Filed: 29 June 2001)
)
For: CRYSTALLIZATION AND STRUCTURE OF *STAPHYLOCOCCUS AUREUS*
PEPTIDE DEFORMYLASE

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington D.C. 20231

RECEIVED
DEC 14 2001
Technology Center 2600

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

Information Disclosure Statement

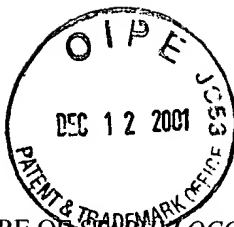
Applicant(s): Eric T. BALDWIN et al.

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Confirmation No.: 7868

Filed: 29 June 2001

For: CRYSTALLIZATION AND STRUCTURE OF STAPHYLOCOCCUS AUREUS PEPTIDE DEFORMYLASE



Page 2 of 2

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

Respectfully submitted for

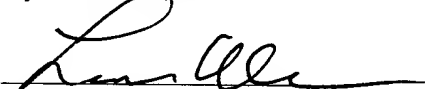
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CERTIFICATE UNDER 37 C.F.R. 1.8:

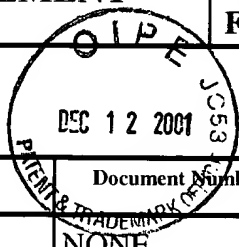
The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 6th day of December, 2001.


Loren Albin

December 6, 2001
Date

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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 6317.N	Serial No.: 09/896,580
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	Filing Date: 29 June 2001	Group: 2621

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	NONE					

FOREIGN PATENT DOCUMENTS

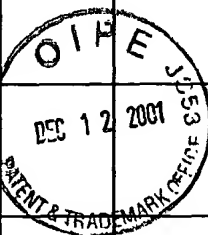
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	0 786 519 A2, A3	07/30/98	EPO				
	WO 99/47639	09/23/99	WIPO				
	WO 99/47662	09/23/99	WIPO				
	WO 00/12678	03/09/00	WIPO				
	WO 01/16292	03/23/00	WIPO				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
	Adams, "On the Release of the Formyl Group from Nascent Protein," <i>Journal of Molecular Biology</i> , 33(3):571-589 (1968).
	Ball et al., "Cleavage of the N-terminal Formylmethionine Residue from a Bacteriophage Coat Protein <i>in vitro</i> ," <i>Journal of Molecular Biology</i> , 79(3):531-537 (1973).
	Bartlett et al., "CAVEAT: A Program to Facilitate the Structure-derived Design of Biologically Active Molecules," in <i>Molecular Recognition: Chemical and Biological Problems</i> , Special Publication No. 78, Roberts, ed., Royal Chemical Society, University of Exeter, Title page, publication page and pages 182-196 (1989).
	Benson et al., "An enzyme-substrate complex involved in bacterial cell wall biosynthesis," <i>Nature Structural Biology</i> , 2(8):644-653 (1995).
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	Blundell et al., <i>Protein Crystallography</i> , Academic Press, New York, NY, Title page, publication page and table of contents only, 8 pages (1976).

EXAMINER	Date Considered
<p>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

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Examiner Initial	Document Description
DEC 2 2001 PATENT & TRADEMARK OFFICE	Hendrickson et al., "Stereochemically Restrained Crystallographic Least-Squares Refinement of Macromolecule Structures," in <i>Biomolecular Structure, Conformation, Function, and Evolution</i> , Srinivasan, ed., Pergamon Press Ltd., Oxford, UK, Title page, publication page and pages 43-57 (1981).
	Hirel et al., "Genetic engineering of methionyl-tRNA synthetase: <i>in vitro</i> regeneration of an active synthetase by proteolytic cleavage of a methionyl-tRNA synthetase- β -galactosidase chimeric protein," <i>Biochimie</i> , 70(6):773-782 (1988).
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	Jancarik et al., "Sparse matrix sampling: a screening method for crystallization of proteins," <i>Journal of Applied Crystallography</i> , 24(4):409-411 (1991).
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	Kozak, "Comparison of Initiation of Protein Synthesis in Prokaryotes, Eucaryotes, and Organelles," <i>Microbiological Reviews</i> , 47(1):1-45 (1983).
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		Martin, "3D Database Searching in Drug Design," <i>Journal of Medicinal Chemistry</i> , 35(12):2145-2154 (1992).
		Matthews, "Structural Basis of the Action of Thermolysin and Related Zinc Peptidases," <i>Accounts of Chemical Research</i> , 21:333-340 (1988).
		Mazel et al., "Genetic characterization of polypeptide deformylase, a distinctive enzyme of eubacterial translation," <i>The EMBO Journal</i> , 13(4):914-923 (1994).
		Meinzel et al., "The <i>Escherichia coli</i> <i>fnt</i> Gene, Encoding Methionyl-tRNA _f ^{MET} Formyltransferase, Escapes Metabolic Control," <i>Journal of Bacteriology</i> , 175(4):993-1000 (1993).
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		Rossmann, ed., <i>The Molecular Replacement Method A Collection of Papers on the Use of Non-Crystallographic Symmetry</i> , Gordon & Breach, Science Publishers, Inc., New York, Title page, publication page, and table of contents only, 6 pages (1972).

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		Sack, "CHAIN - A Crystallographic Modeling Program," <i>Journal of Molecular Graphics</i> , 6(4):224-225 (1988).
		Schechter et al., "On the size of the active site in proteases. I. Papain," <i>Biochemical and Biophysical Research Communications</i> , 27(2):157-162 (1967).
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		Wyckoff et al., eds., "Diffraction Methods for Biological Macromolecules, Part B," <i>Methods in Enzymology</i> , volume 115, Title page, publication page and table of contents only, 3 pages (1985).

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